

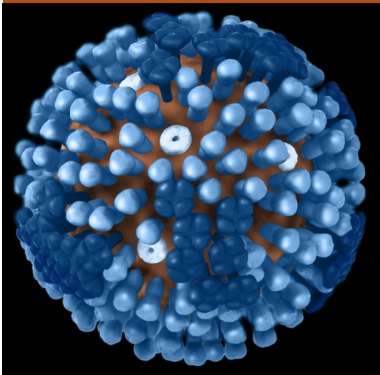
DAVIS COUNTY INFLUENZA REPORT



2017-18 Influenza Season
Week 17 / Week Ending 04/28/2018

SUMMARY

- ILI activity in Davis County remained at a *low/moderate* level during Week 17.
- No influenza-associated hospitalizations were reported during Week 17.
- Influenza B virus is currently circulating, although influenza A virus is still present.
- The school absence rate was just above the expected rate for this point of the influenza season.



Influenza-like Illness (ILI) is defined as fever (temperature of $\geq 100^{\circ} F [37.8^{\circ} C]$), cough, and/or a sore throat without a known cause other than influenza.

INFLUENZA ACTIVITY IN DAVIS COUNTY

In Week 17, influenza activity in Davis County remained at a *low/moderate* level. The average school absence rate (4.22) is above the expected rate for this point of the influenza season (4.12) (see Figure 1). No hospitalized-influenza cases were reported this week (see Figure 2). Season-to-date, 201 hospitalized-influenza cases have been reported in Davis County. The influenza-like illness (ILI) rate (0.6%) had no change (see Figure 2).

Figure 1. Elementary School Absence Rate, Davis County, 2017-18, 2016-17, 5-Year Average

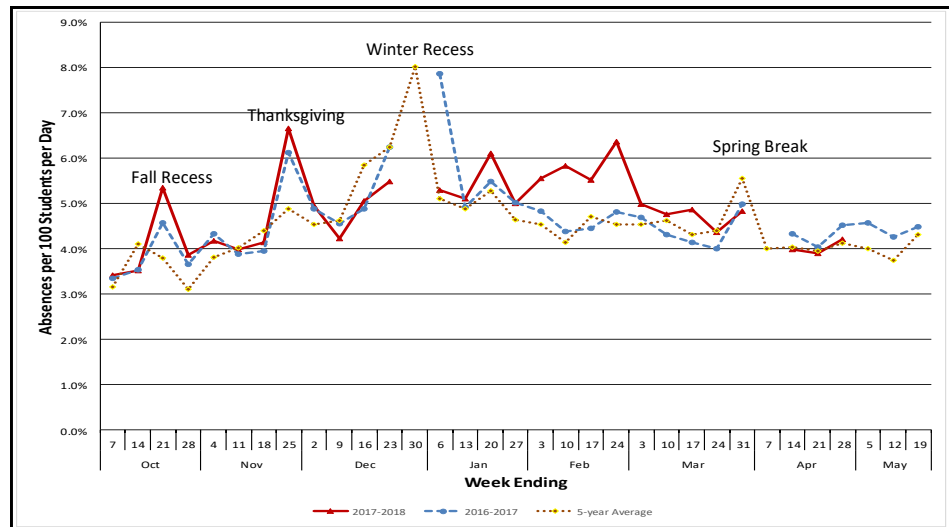
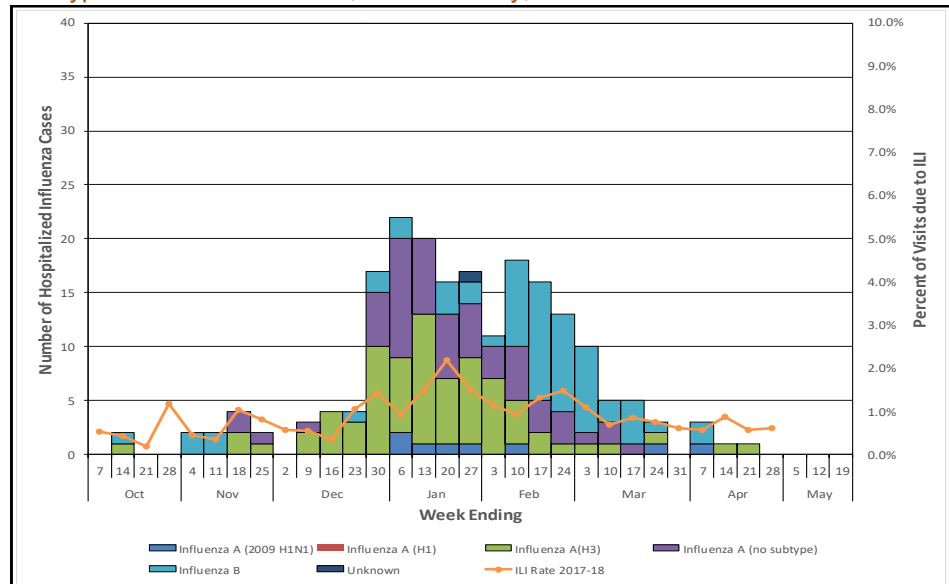


Figure 2. Influenza-Like Illness Visit Rates & Hospitalized-Influenza Cases, by subtype and admission date, Davis County, 2017-18



INFLUENZA ACTIVITY IN UTAH

Utah's influenza rate continued at a *minimal* level during Week 17. Only Davis County reported *low/moderate* ILI activity. The school absence rate (5.0) is below the expected rate for this point of the season. Seven hospitalized-influenza cases were reported this week, bringing the season's total to 2,139 cases.

Surveillance data for influenza testing in laboratories across Utah indicate that 21 specimens were positive for influenza during Week 17, a decrease from the previous week (22). The majority of recently circulating influenza viruses continue to be typed as influenza B (see Table 1).

Table 1. Influenza Positive Specimens Tested by Utah Laboratories, 2017-18

Positive Specimens by Type/Subtype	Current Week		Season-to-Date	
	Number	%	Number	%
Influenza A (2009 H1N1)	3	14.3%	406	3.9%
Influenza A (H1)	0	0.0%	1	0.0%
Influenza A (H3)	2	9.5%	2,385	22.7%
Influenza A (no subtype)	2	9.5%	4,046	38.5%
Influenza B	14	66.7%	3,665	34.9%
Total	21		10,503	

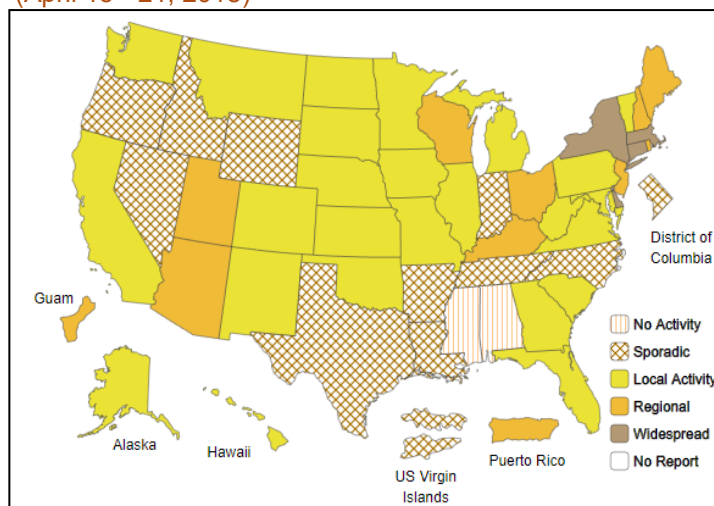
INFLUENZA ACTIVITY IN THE UNITED STATES

Influenza activity continues to make its way out of the United States. In Week 16, four states reported *widespread* activity, nine states reported *regional* activity (including Utah), 25 states reported *local* activity, ten states reported *sporadic* activity, and two states reported no activity (see Figure 3).

Collaborating clinical laboratories across the United States reported that 8.9% of respiratory specimens tested were positive for influenza in Week 16, a decrease from the week before (10.9%). Of those, 30.6% were typed as influenza A and 69.4% as influenza B.

CDC characterized 1,769 influenza viruses collected by laboratories across the United States since October 1, 2017. Of these, 98.9% were similar to their respective components in the 2017-18 vaccine. CDC also continues to test samples for resistance against neuraminidase inhibitors such as oseltamivir, zanamivir, and peramivir. Ten of 985 (1.0%) viruses of influenza A (H₁N₁) were resistant to oseltamivir and peramivir. Antiviral treatment is recommended as early as possible for patients with severe illness or who require hospitalization.

Figure 4. Weekly Influenza Activity Estimates, Week 16 (April 15 - 21, 2018)



VACCINE INFORMATION

CDC recommends that all persons older than 6 months of age receive an influenza vaccine.

Flu shots are available at Davis County Health Department at no out-of-pocket cost for those *with* contracted health insurance.

For those *without* insurance:

- Adults (18+ years) can receive the flu shot for \$30.
- Seniors (65+ years) can receive high-dose Fluzone® for \$42.
- Children and adolescents (< 18 years) can receive the vaccine for a \$5 fee.

For updates call Immunizations Hotline at (801) 525-5030.



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The Influenza Report is published weekly on Thursdays during influenza season. To receive a copy of this report by email/fax, please contact Sarah Willardson at swillardson@co.davis.ut.us